

iPad with Retina Display for Students

Dimensions

- Height: 9.50 inches (241.2 mm)
- Width: 7.31 inches (185.7 mm)
- Depth: 0.37 inch (9.4 mm)
- Weight: 1.44 pounds (652 g)

Communications

- 802.11a/b/g/n Wi-Fi (802.11n 2.4GHz and 5GHz)
- Bluetooth 4.0 wireless technology

Environmental Status Report

- Mercury-free LCD display
- Arsenic-free display glass
- BFR-free
- PVC-free
- Recyclable aluminum enclosure

Sensors

- Three-axis gyro
- Accelerometer
- Ambient light sensor

Input/Output

- Lightning connector
- 3.5-mm stereo headphone minijack
- Built-in speaker
- Microphone

Audio

- Frequency response: 20Hz to 20,000Hz
- Audio formats supported: AAC (8 to 320 Kbps), Protected AAC (from iTunes Store), HE-AAC, MP3 (8 to 320 Kbps), MP3 VBR, Audible (formats 2, 3, 4, Audible Enhanced Audio, AAX, and AAX+), Apple Lossless, AIFF, and WAV
- User-configurable maximum volume limit

Processor

- Dual-core A6X with quad-core graphics

Storage

- 32 GB solid state storage

Battery and power

- Built-in 42.5-watt-hour rechargeable lithium-polymer battery
- Up to 10 hours of surfing the web on Wi-Fi, watching video, or listening to music
- Charging via power adapter or USB to computer system

Display

Retina display

- 9.7-inch (diagonal) LED-backlit Multi-Touch display with IPS technology
- 2048-by-1536 resolution at 264 pixels per inch (ppi)
- Fingerprint-resistant oleophobic coating

Graphics and video support

FaceTime HD Camera

- 1.2MP photos
- 720p HD video
- FaceTime video calling over Wi-Fi
- Face detection
- Backside illumination
- Tap to control exposure for video or still images
- Photo and video geotagging

iSight Camera

- 5MP photos
- Autofocus
- Face detection
- Backside illumination
- Five-element lens
- Hybrid IR filter
- *f*/2.4 aperture
- Tap to focus video or still images
- Tap to control exposure for video or still images
- Photo and video geotagging

Video Recording

- 1080p HD video recording
- Video stabilization
- Face detection
- Tap to focus while recording
- Backside illumination

TV/Video output options

- AirPlay mirroring and video out to Apple TV (2nd and 3rd generation)
- Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)
- Video formats supported: H.264 video up to 1080p, 30 frames per second, High Profile level 4.1 with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; MPEG-4 video up to 2.5 Mbps, 640 by 480 pixels, 30 frames per second, Simple Profile with AAC-LC audio up to 160 Kbps per channel, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats; Motion JPEG (M-JPEG) up to 35 Mbps, 1280 by 720 pixels, 30 frames per second, audio in ulaw, PCM stereo audio in .avi file format